**Java programming**

Learn the Basics

* [Hello, World!](https://www.learnjavaonline.org/en/Hello%2C_World%21)
* [Variables and Types](https://www.learnjavaonline.org/en/Variables_and_Types)
* [Conditionals](https://www.learnjavaonline.org/en/Conditionals)
* [Arrays](https://www.learnjavaonline.org/en/Arrays)[Loops](https://www.learnjavaonline.org/en/Loops)
* [Functions](https://www.learnjavaonline.org/en/Functions)
* [Objects](https://www.learnjavaonline.org/en/Objects)
* [Compiling and Running with Arguments](https://www.learnjavaonline.org/en/Compiling_and_Running_with_Arguments)

Advanced Topics (Under Construction)

* [Inheritance](https://www.learnjavaonline.org/en/Inheritance)
* [Try and Catch](https://www.learnjavaonline.org/en/Try_and_Catch)
* [Abstract Classes](https://www.learnjavaonline.org/en/Abstract_Classes)
* [Interfaces](https://www.learnjavaonline.org/en/Interfaces)
* [Using Generics](https://www.learnjavaonline.org/en/Using_Generics)
* [Collections](https://www.learnjavaonline.org/en/Collections)
* [Wrappers and Autoboxing](https://www.learnjavaonline.org/en/Wrappers_and_Autoboxing)
* [Exceptions](https://www.learnjavaonline.org/en/Exceptions)
* [Generic Types](https://www.learnjavaonline.org/en/Generic_Types)
* [IO Streams](https://www.learnjavaonline.org/en/IO_Streams)

1. [Hello, World!](https://www.learnjavaonline.org/en/Hello%2C_World%21)

2. [Variables and Types](https://www.learnjavaonline.org/en/Variables_and_Types)

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| **Data Type** | **Size** | **Description** |
| byte | 1 byte | Stores whole numbers from -128 to 127 |
| short | 2 bytes | Stores whole numbers from -32,768 to 32,767 |
| int | 4 bytes | Stores whole numbers from -2,147,483,648 to 2,147,483,647 |
| long | 8 bytes | Stores whole numbers from -9,223,372,036,854,775,808 to 9,223,372,036,854,775,807 |
| float | 4 bytes | Stores fractional numbers. Sufficient for storing 6 to 7 decimal digits |
| double | 8 bytes | Stores fractional numbers. Sufficient for storing 15 decimal digits |
| boolean | 1 bit | Stores true or false values |
| char | 2 bytes | Stores a single character/letter or ASCII values |